2009-01-21 Stacking Team Meeting

The stacking team will meet tomorrow (Wednesday) at 10am in the Penthouse.

We will again discuss possible shutdown projects:

1) Stacktail cryo notch filters (for filters #1 and #2)
 -- Timing issues (Ralph)
 -- Is there any benefit from making these notches deeper (Val)

- Ralph,
    - only 6nsec left in each trunk.
    - Putting other dewars in would take a long time.
    - The notch depth is not the issue.
    - The intermods are the issue.
- Val
    - Agrees with Ralph.
    - Simulations show our notch is good enough.
    - we have two theoretical reasons to show we don't add anything.
- How would you fix the intermods?   Double the number of TWTs would work?
- Jim worries that we won't be making any improvements to the stacktail over the shutdown.
- There is some Equalizer work that Val talks about. No access needed.   Takes an hour. He is only talking about 3 or 6 psec changes.

2) Additional Debuncher band 1 kicker array
 -- Timing issues (Ralph)
 -- Do we have sufficient TWT power supplies and protection monitors?

- If Band 1 has to go upstream (against beam), there is no time.
- Has to go downstream if there is any hope at all. Would have to go downstream of D3Q2 (would go to band 2)
- 1nsec/ft
- It is a half tank? We don't know the condition of the tank.   Vacuum feedthroughs may have been stolen. Tank may need months of work.
- Also, no protection monitors available.   Had a failure a few weeks ago with Debuncher protection monitor with a memory loss….there is no protection during the memory loss condition.
- We have no spare 4-8GHz power supplies. Bernie would have to do some work.
- Ralph says we need to access and look carefully where we could put these in.

3) Core transverse 5 Watt amplifiers => TWTs
 -- Status
- Pete has all the stuff from the machine shop, assembling now.
- Could be ready as soon as next week.
- Needs 2-4 hours to get started.
- 4-8 hours to do everything.
- Also need...
- LCW hoses
- Cable pulls.